PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORI'	гү					
To: Berggren Oy Ab Ohjelmakaari 1 FIN-40500 Jyväskylä Finland	PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
FINIANG	(PCT Rule 43 <i>bis</i> .1)					
	Date of mailing (day/month/year) 1 6 -03- 2005					
Applicant's or agent's file reference BP110563/TN	FOR FURTHER ACTION See paragraph 2 below					
	ational filing date (day/month/year) Priority date (day/month/year) 11-2004 Priority date (day/month/year)					
International Patent Classification (IPC) or both national classification and IPC H01L23/60 // H05F3/02						
Applicant Nokia Corporation et al						
1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion						

Name and mailing address of the ISA/SE Patent- och registreringsverket Box 5055

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/FI2004/050177

Bo	x No. I	Basis of this opinion
1.	which it	ard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item. his opinion has been established on the basis of a translation from the original language into the following language, , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	claimed	ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of: of material a sequence listing table(s) related to the sequence listing
	b. format	of material in written format in computer readable form
	c. time (of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addition	al comments:

10/582657

AP3 Rec'd PCT/PTO 12 JUN 2000

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International application No.

PCT/FI2004/050177

1. Statement			
Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial

2. Citations and explanations:

Box No. V

The claimed invention relates to protection of light emitting diodes (LED) from electrostatic discharges.

Documents cited in the International Search Report:

D1: US 6536913 B1

D2: JP 20011196638 (Patent Abstracts of Japan)

D1 discloses a display apparatus including a matrix of LED's and a grounded electrically conductive member, which is arranged to protect the LED's from electrostatic discharges (see claim 1).

D2 shows an LED surrounded by a conductive loop (5), which is intended to prevent damage due to electrostatic discharges.

The invention according to independent claims 1, 7 and 15 differs somewhat from the technique disclosed in D1. difference is that the independent claims define that conductive material is induced onthe surface photoconductor, while D1 is provided with an electrically conductive member. The description of the current application does indicate not that this particular difference gives any surprising contribution to the solution of problems relating to electrostatic discharges. For this reason, the invention according to independent claims 1, 7 and 15 is not considered to involve an inventive step. Neither are the further definitions added in the remaining

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

In case the space in any of the preceding boxes is not sufficient.

International application No.

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Supplemental	Box
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Continuation of: Box V

claims sufficient to cure the lack of inventive step.

The invention according to claims 1-20 is not considered to involve an inventive step. The claimed invention is industrially applicable.